

1964, 1965, 1966, 1967, 1968, 1969.

Mechanism of the formation of silica gel porous structure.
Part A: Regulation of silica gel structure by controlling the
methods of variation of gel drying time and the nature of
solvent/liquid. Coll. chem. 27 no. 6: 216-220, 1966.

(410-18:12)

L. Institut Fizicheskoy Khimii AN SSSR, Moscow, U.S.S.R. and Yakogo,
Soviet Union, submitted August 10, 1964.

STAS, W.

Application of the method of Turan to the theory of the remainder in the theorem of prime ideal. p. 179.

ACTA ARITHMETICA. (Polska Akademia Nauk. Instytut Matematyczny) Warszawa, Poland.
Vol. 5, no. 2, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

STAS, W

PHASE I BOOK DESCRIPTION

PL/5733

Towarzystwo Matematyczne

Prace Matematyczne (Mathematical Transactions) Warsaw, Państwowe Wydawn.
Naukowe, 1961. 146 p. (Series: Its: Roczniki. Seria I., [no] 5)
2,150 copies printed.

Editorial Board: Chief Ed.: Władysław Orlicz; Deputy Chief Ed.: Marceli
Czerwik, Adam Bielecki, Witold Łojasiewicz, Stanisław Goląb, Jerzy Górski,
Stanisław Martman; Secretary: Julia Macielak, Zbigniew Szpadziński,
Krzysztof Tatariewicz.

PURPOSE: This book is intended for mathematicians.

CONTENTS: This is a collection of 14 articles on the theory of functions, theory
of numbers, theory of series, functional analysis, differential equations, and
their applications to hydrodynamics and thermodynamics. No personalities are
mentioned. References follow each article.

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Mathematical Transactions

FOL/5733

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Mathematical Transactions

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Reports From Scientific Meetings of the Polish Mathematical Society

131

Library of Congress

Card 4/4

AC/m/LMB
11-6-61

STAS, W. (Poznan)

On the reversal of an Ingham's theorem. Acta arithmetica 6 no.4:
435-446 '61.

1. Uniwersytet Im. Adama Mickiewicza w Poznaniu.

STAS, W. (Poznan)

On a certain estimation of the remainder in a theorem. Roczn. prace
matem 5:53-60 '61.

KNAPOWSKI, S. (Poznan); STAS, W. (Poznan)

A note on a theorem of Hardy and Littlewood. Acta arithmetica 7
no. 2:161-166 '62.

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On the behavior of Riemann's ζ - function and some related functions in the vicinity of the straight line $\sigma = 1$. Acta arithmetica 7 no. 2:217-224 '62.

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1. Uniwersytet im. Adama Mickiewicza, Poznan.

STAS, W. (Poznan)

Some remarks on a series of Ramanujan. *Acta arithmetica* 10
no.4:359-368 1965.

1. Mathematical Institute of the Adam Mickiewicz University,
Poznan. Submitted February 8, 1964.

STAS, Z.N.

Mbr., Hospital Surgical Clinic, Khabarovsk Med. Inst., -c1948-. "Value of Tests in Determining the Activity of the Physiological System of Connective Tissues," Klin. Med., 26, No. 7, 1948.

87 AS 2. IV.
DYKHNO, A.M., professor; STAS', Z.N.

Problem of the formation of an artificial vagina. Akush.i gin. no.1:
60-61 Ja-F '54. (MLRA 7:6)

1. Iz gosptal'noy khirurgicheskoy kliniki (direktor - professor
A.M.Dykhno) Krasnoyarskogo meditsinskogo instituta.
(Vagina)

STASA, J.

"Socialist Competition Is in Full Progress." p. 252 (Stavebni Prumysl, Vol. 3, no. 11, June 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

Country : Poland
 Category : Farm Animals. The Honeybee. Q-5
 No. Jour : RZBiol., No. 4, 1959, No. 16760
 Author : Stasalek, Stanislaw
 Institut. :
 Title : The Reduction of the Winter Losses in Bees.
 Orig. Pub. : Pszczelarstwo, 1958, 9, No 1, 13-15
 Abstract : Bees that spend the winter at liberty use approximately 3 kg more feed than in a winterhouse. Supplementary fall feeding should be given early in order to utilize old bees and the warmth necessary for the quicker digestion of the sugar which had been fed to the bees. When the supplementary feeding consisted of a 40 percent sugar solution, the losses amounted to 55 percent; when it consisted of a 70 percent sugar solution, to 8.55 percent. The most

Cont: 1/2

STASKEVICH, S.

Dynamics of vitamin C in buds, leaves, and fruits of some species of apples.
p. 1.1

Lietuvos TSR Mokslu akademija. Biologijos institutas. DARBAI. Vilnius
Volume, 3, 1958
Lithuanian, Poland

Monthly List of East European Accession (EEAI) LC, Vol. 9, no.1, Jan. 1960

Uncl.

STASAUSKAITE, S.

SCIENCE

PERIODICAL: DARBAI. SERIJA B. TRUDY. SERIJA B. No. 3, 1958

Stasauskaite, S. Distribution and dynamics of ascorbic acid in the fruit of some apple trees. p. 253.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

GRASKEAITE, S.; HOLCMAITE, M.

Steeping corn seed in some microelement solutions before planting.
(EAI 9:3)
Liet ak darbai B no.4:181-192 '59

1. Lietuvos TSR Mokslu akademijos Biologijos institutas.
(Corn (Maize))

Stasek, Pavel

Stasek, Pavel. Über die Flächen, deren Krümmungslinien sich auf eine Ebene in gegebene Kurven zentral projizieren. Věstník Královské České Společnosti Nauk. Třída Matemat.-Přirodověd. 1940, 13 pp. (1940). (German. Czech summary) [MF 16122]

Consider a surface σ and a fixed point S on the z -axis. By projecting, through the point S and onto the (x, y) -plane, the points on the lines of curvature of σ , one obtains two families of curves in the (x, y) -plane. The author's problem is to determine all surfaces for which the two congruences of (x, y) -plane curves are orthogonal. It is shown that the solution of this problem depends upon the solution of a system consisting of a linear second order partial differential equation and a nonlinear first order partial differential equation. Because of the complexity of the system, the author considers only two special cases: (1) the congruences consist of circles with origin as center and radial lines; (2) the system consists of two families of confocal conics. In each of these cases, the surfaces are determined. In the second part of the paper, the author applies tensor calculus to the problem in an effort to determine the relation between the fundamental tensors of the surface and the net in the (x, y) -plane. However, due to an error in the equations defining the projectivity, the author solves the problem for the case where the center of projectivity undergoes some undetermined variation.

N. Coburn.

Source: Mathematical Reviews,

Vol. 3, No. 2

STASEK, Rudolf

Examination of the chemical process in the VZKG G 230 boiler.
Energetika Cz 12 no.8:422-425 Ag '62.

1. Elektrarna Opatovice.

STASEK, Rudolf

Determining of raw water penetration into operational cycle caused by condenser leakage. Energetika Cz 13 no.6:313-318 Jo '63.

1. Elektrarna Opatovice.

STASEK, Rudolf

Determining the iron content in feed water. Energetika Cz 13
no.5:264-266 My '63.

1. Elektrarna Opatovice.

STASEK, V.

FLUSSER, J; CHVOJKOVA, V; STASEK, V; SKACH, M; ZABKA, J; BALIK, J.

Mucous membrane manifestations in iron deficiency. Cas. lek.
cesk. 89 no.50:1410-1414 15 Dec 50. (CJML 20:4)

1. Of the Third Internal Clinic (Head--Prof. Jofef Charvat).
2. Of the Radiological Clinic (Head--Prof. Vaclav Svab).
3. Of the Second Stomalogical Clinic (Head--Prof. Fr. Neuwirt).
4. Of the Otolaryngological Clinic (Head--Prof. A. Precechtel).
5. Of the First Eye Clinic (Acting Head--Docent E. Dienstbier).

STASEK, Vladimir

Soviet oncology based on the Pavlovian theory. Cas.lek.cesk. 91
no.35:1014-1017 29 Aug 52.

1. Z radiologicke kliniky K U. Prednosta: prof. dr. V.Svab.
(NEOPLASMS,
Pavlovian theory in oncol.)

STASEK, Vladimir

Dillon method of roentgenotherapy of intrathoracic tumors
according to Soviet literature; review. Cesk. onkol. 2 no.4:
371-377 1955.

1. Radiologicka klinika Karlovy university v Praze.

(THORAX, neoplasms,

x-ray ther., Dillon method, review. (Cz))

(RADIOTHERAPY, in various diseases,

cancer of thorax, Dillon method, review.(Cz))

STÁSEK V.

EXCERPTA MEDICA Sec.14 Vol.11/3 Radiology Aug57.

1356. STÁSEK V. U nemocnice 2, Praha 2. *Pathofysiologie nemoci z ozáření.
The pathophysiology of radiation disease ČAS. LÉK. ČES. 1956,
95/36 (984-991) Tables 1

Irradiation of the live organism is a disturbing interference with its functional and structural integrity. The organism constituting a complex unit directed and coordinated by neurohumoral regulation, responds to irradiation by a disturbance of functional manifestations and structural changes of the various organs and systems.. It is thus an essentially complex process, though no doubt some of the disturbances play an extraordinary role in the origin of the disease. On the assumption that the significance of the irradiation during the first stage is one of non-specific stress in the sense of the general adaptation syndrome, it may be admitted that the basic response is effected by a neurohumoral route via the midbrain-pituitary-suprarenal cortex system. In Charvát's interpretation the alarm reaction itself is a nervous phenomenon; to enable its passage hormones of the suprarenal cortex adjust in some hitherto unknown way the receptivity of the tissues to the nervous impulse. During the phase of late manifestations signs of tissue depression are in the foreground. The active mesenchyme and the state of the natural defences of the organism significantly enter into the various phases of irradiation disease; this circumstance is considered, for the time being experimentally, as one of the possibilities of biological protection. The explanation of the physiological mechanism of action of irradiation is aided by irradiation experiments under changed external conditions, e. g. irradiation in anoxia and hypothermia. A study of the abundant material of both wartime explosions in Japan, accidental as well as experimental incidents, laboratory work and clinical observations, have added much valuable new knowledge on the pathophysiology of irradiation disease. Intensive research in this

1356

CONT.

direction continues to make rapid headway, nevertheless numerous problems, amongst others the mechanism of development of late changes, remain unclear and in many respects still unanswered.

STASEK, Vladimir

A sieve method for roentgen irradiation of malignant neoplasms.
Clinical studies on the effect of ionizing radiations on tumor
tissue. Acta Universitatis Carolinae, Medica 5:225-250 1959.

1. Z radiologicke kliniky fakulty vseobecneho lekarstvi, prednosta
prof. MUDr. Václav Svab a z onkologicke laboratore fakulty vseobec-
nego lekarstvi, prednosta doc. MUDr. J. Venta.
(NEOPLASMS radiother.)

EXCERPTA MEDICA Sec 14 Vol 13/8 Radiology Aug 59

1652. A BEAM DIRECTOR FOR SMALL FIELD X-RAY THERAPY -
Stašek V., Lokajček M., Haberzettl V. and Živný J.
Oncol. Lab., Radiol. Clin., 1st Stomatol. Clin., Fac. of Gen. Med.,
Charles Univ., Prague - BRIT. J. RADIOL. 1959, 32/374 (138-140)
illus. 5

(XIV, 5, 16)

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Parietography of the esophagus, A contribution to the differential diagnosis of primary and secondary tumors of the mediastinum. Neoplasma, Bratisl. 7 no. 2: 193-201 '60.

I. II. Interne Klinik, II. Chirurgische Klinik, Radiologische Klinik und Oto-Rhino-Laryngologische Klinik der Karls-Universität, Prag, CSR.

(MEDIASTINUM neopl)

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A.Nebrenska.

Studies on a gonad-dose in roentgeno-therapy of selected non-
neoplastic diseases.Cesk. rentg. 14 no.1:1-4 F '60.

1. Radiologicka klinika KU, prednosta prof. MUDr. V. Svab,
Onkologicka laborator fakulty vseob. lekarstvi, reditel doc. MUDr.
J. Venta.

(RADIOTHERAPY)

(GONADS radiation eff.)

STASEK, Vladimir; JAKOUBKOVA, Jaroslava

Considerations on roentgenotherapy of non--neoplastic diseases
with special reference to late changes. Cas.lek.cesk.99 no.38:
1220-1224 16 S'60.

1. Onkologicka laborator v Praze, reditel prof.dr. J.Venta.
Radiologicka klinika KU, Praha, prednosta prof.dr. V.Svab.
(RADIOTHERAPY compl)

2. The Causes of Heart Failure from the Children's Point of View.^a
J.C. MALL, "The Cardiac Lesions in the Second Child of Normal Adults,"
in (*The Lancet*, London), 7 July 1906.

LOKAJICEK, M.; JAKOUBKOVA, J.; STASEK, V.; technicka spoluprace:
NEBEJENSKA, A.

Gonadal dosage in the treatment of non-tumorous diseases with
x-irradiation (Dosimetric study). Cesk. rentgenol. 16 no.1:
30-35 F '62.

1. Vyzkumny zavod Tesia-Premysleni Radiologicka klinika a onkologicka
laborator FVL KU.
(GONADS radiation effects) (RADIOTHERAPY)

KOLAR, Jaromir; STASEK, Vladimir; BEK, Vaclav; KOHOUT, Jan

Contribution to tumors of the heel bone. *Cesk. rentgenol.* 16 no.2:
121-126 Ap '62.

1. Radiologicka klinika fakulty vseobecneho lekarstvi Karlovy uni-
versity v Praze, prednosta prof. dr. V. Svab.

(CALCANEUS neopl)

STASEK, V.

5

CZECHOSLOVAKIA

STASEK, V., Docent MD; JAKOUBKOVA, J., MD; KOLAR, J., MD;
LOKAJICEK, M., Dr., Radiologist; BRACHFELD, K., MD;
TICHY, S., MD.

1. Oncological Laboratory FVL (Onkologicka laborator FVL), Prague; 2. Radiological Clinic FVL (Radiologicka klinika FVL), Prague (for Lokajicek); 3. Research Institute and Development Institute (Vyzkumny a vyvojovy zavod), Premysleni; 4. Second Pediatrics Clinic, ORL Laboratory CSAV (II. pediatricka klinika, ORL laborator CSAV), Prague

Prague, Prakticky lekar, No 2, 1963, pp 71-73

"The Effect on the Patient of X-Ray Therapy."

VICH, Z.; HAVRANKOVA, N.; STASEK, V.

Clinical experiences with telegammatherapy with the Theratron junior with particular reference to the treatment of bronchogenic carcinoma. Cesk. radiol. 19 no.3:194-201 My '65

1. Radiologicka klinika (prednosta: prof. dr. V. Svab, DrSc.) a onkologicka laborator (vedouci: prof. dr. J. Venta) fakulty vseobecneho lekarstvi v Praze.

STASEK, V.; J. KOUBEKOVÁ, J.; KOLAR, J.; BRACHFIELD, K.; TICHÝ, S.;
LOKAJICKÝ, M.; Mlý, V.; Technická spolupráce NŘEPENSKÁ A.

Study of late changes following small doses of radiation in
the developing organism. Cesk. pediat. 70 no.7:561-571 J1
'65.

I. Onkologická laborator, radiologická klinika fakulty vše-
obecného lékařství Karlovy University v Praze, II. pediatrická
klinika fakulty dětského lékařství Karlovy University v Praze,
Otorinolaringologická laborator Československé akademii věd
v Praze, Výzkumný ústav a.p. Tesla v Brně, Ústav ser a
očkovacích látek v Praze.

S/081/62/000/009/021/075
B158/B101

AUTHORS: Gumenyuk, A. G., Sera, T. Ya., Stasenko, A. G.

TITLE: The absorption spectrum of silver halide exposed to monochromatic light

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1962, 76, abstract 9B524 (Nauchn. yezhegodnik. Odessk. un-t. Fiz.-matem. fak. i N.-i. in-t fiz., no. 2, Odessa, 1961, 157 - 158)

TEXT: The absorption spectrum of a fine-grain AgCl emulsion exposed to monochromatic light of $\lambda = 313, 336, 405$ and $436 \text{ m}\mu$ was studied. This was found to be little dependent on λ of the acting light. The same bands were observed in it as for emulsions exposed to full radiation from a Hg lamp. The positions of the band maxima lying in the short wave region of the spectrum completely coincided, whereas the maximum of the band in the long wave region was somewhat displaced towards long λ . Preparations of AgBr dust, in contrast to emulsion layers, often show areas with "inverted" spectral curves (Sera, T. Ya., Sb. Fiz.-matem. fak-ta OGU, 1951). [Abstracter's note: Complete translation.]

Card 1/1

35193

S/120/62/000/001/041/061
E039/E520

24.3430

AUTHORS: Sura, T.Y. and Stasenko, A.G.

TITLE: On the question of obtaining a "vacuum creeping spark"

PERIODICAL: Prihory i tekhnika eksperimenta, no.1, 1962, 167-169

TEXT: In the vacuum ultraviolet region of the spectrum a number of different sources are used in spectral analysis. These are: the normal gas discharge; high and low frequency gas discharges; and contact sparks. The so-called "vacuum creeping spark" comes in the last category and it consists of a spark discharge over the surface of a dielectric or semiconductor between two metal electrodes, the whole system being in a vacuum. A lower voltage than that used with the H.F. discharge is required. The source described in this articles makes use of a standard condenser spark generator ИГ-2 or 3 (IG-2 or 3) (13 kV) as a power supply. In order to obtain a stable discharge it is essential to have a good contact between the electrodes and the dielectric. This is done by forcing aluminium electrodes into the ends of a porcelain tube of length 50 mm, internal diameter 10 mm and external diameter 20 mm. A 10 mm diameter aperture is drilled in the side

Card 1/2

On the question of ...

S/120/62/000/001/041/061
E039/E520

+

of this tube perpendicular to its axis, thus exposing the gap between the electrodes (about 1.5 mm). The electrodes are cut in such a way that the discharge passes over the internal surface of the procelain tube opposite to the aperture. The tube with its electrodes is mounted on an insulated support inside a vacuum chamber which is attached to a vacuum spectrograph. The voltage to the electrodes is carried through high voltage vacuum seal inserts and the position of the spark can be adjusted to lie on the optical axis of the spectrograph. Part of a spectrogram obtained using this source with aluminium electrodes is shown. The spectrum was recorded on X-ray film sensitized with an alcoholic solution of sodium salicylate using a ДФС-6 (DFS-6) spectrograph (exposure 90 min). This spectrograph was calibrated over the range 500 to 2000 Å using the source described. There are 2 figures.

ASSOCIATION: Odesskiy gosudarstvennyy universitet
(Odessa State University)

SUBMITTED: May 15, 1961
Card 2/2

L 17092-65 AFWL/SSD(a)/AS(mp)-2/ASD(a)-5/BSO/APCC(b)/ESD(dp)/ESD(gs)/ESD(t)

ACCESSION NR: AP4048414

S/0181/64/006/011/3361/3363

AUTHOR: Sera, T. Ya.; Stasenko, A. G.

TITLE: On the absorption spectrum of cadmium sulfide in the vacuum ultraviolet region and the associated transitions B

SOURCE: Fizika tverdogo tela, v. 6, no. 11, 1964, 3361-3363

TOPIC TAGS: absorption spectrum, cadmium sulfide, thin film, optical transition, crystal lattice structure

ABSTRACT: The purpose of the study was to go beyond the hitherto investigated quantum-energy range, namely above 6 ev. The intrinsic absorption of CdS in the vacuum ultraviolet region was investigated with apparatus based on a DFS-6 vacuum spectrograph, the calibration of which was described by the authors elsewhere (PTE No. 1, 167, 1962). The absorption of cadmium sulfide was measured on thin films sublimated in vacuum on single-crystal lithium-fluoride sub-

Card 1/3

L 17092-65

ACCESSION NR: AP4048414

strates. The same films were used to measure the absorption in the vacuum ultraviolet region and at longer wavelengths. The effect of reflection was eliminated by taking x-ray photographs of two films of different thickness on the same x-ray plate. The measured spectrum is shown in Fig. 1 of the enclosure. The increase in absorption at energies exceeding 8.3 ev is attributed to excitation of the 3s-electrons of the sulfur in the CdS. Absorption bands with maxima near 7.95 and 9.95 ev have been observed and are attributed to transitions between levels due to the Cd atoms and Cd⁺ ions, respectively, making up the CdS crystal lattice. The transformations of these levels in the field of the crystal lattice of CdS, which has the symmetry of wurtzite, are described. Orig. art. has: 2 formulas and 1 figure.

ASSOCIATION: Odeskiy gosudarstvennyy universitet (Odessa State University)

SUBMITTED: 03Jun64

ENCL: 01

SUB CODE: SS, OP

NO REF SOV: 011

OTHER: 002

ATD PRESS: 3149

Card 2/3

L 17092-65

ACCESSION NR: AP4048414

ENCLOSURE: 01

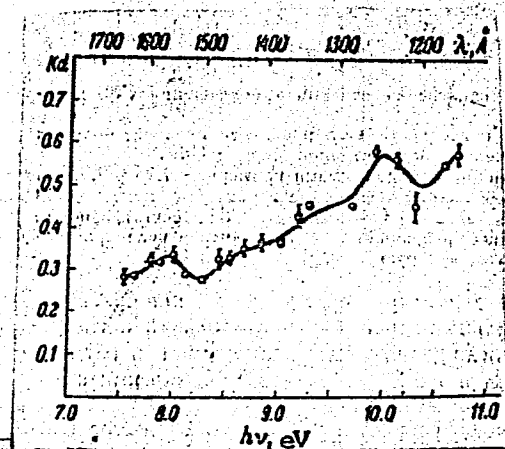


Fig. 1. Spectrum of intrinsic absorption of cadmium sulfide in the vacuum ultraviolet region

Card 3/3

L 33593-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6016202

SOURCE CODE: UR/0058/65/000/011/D035/D035

AUTHORS: Sera, T. Ya.; Stasenko, A. G.

TITLE: Absorption spectrum of CdS in the vacuum ultraviolet region

SOURCE: Ref. zh. Fizika, Abs. 11D270

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 495-502

TOPIC TAGS: absorption spectrum, cadmium sulfide, uv band, spectrographic analysis

ABSTRACT: Results are presented of measurements of the absorption spectrum of CdS in the vacuum ultraviolet region. The measurements were made with apparatus built around a vacuum spectrograph with a radiation source consisting of a hydrogen discharge tube with a capillary. The CdS absorption was measured with thin films sublimated on single-crystal LiF plates. The absorption spectrum of these compounds in the longer-wavelength region agrees with the data obtained by others. In the short-wave part of the investigated vacuum ultraviolet region the absorption of CdS increases. [Translation of abstract]

SUB CODE: 20

Card 1/1

STASENKO, Aleksandr Ivanovich; KARPECHENKO, M.S., dotsent, kand.tekhn.
nauk, otv.red.; SAGITULLINA, R.I., tekhn.red.

[Flow of a trickling liquid from a nozzle. Motion of liquids
through a grating. (Second lecture in a course of hydraulics)]
Istечение kapel'noi zhidkosti iz nasadka. Dvizhenie zhidkosti
v reshetke; leksiia vtoraiia po kursu gidravliki. Moskva,
Ugletekhizdat, 1959. 29 p. (MIRA 13:8)
(Hydraulics)

STASENKO, Aleksandr Ivanovich; KARPECHENKO, M.S., otv.red.; SAGITULLINA,
R.I., tekhn.red.

[Gas flow from a hole in a thin wall. Determination of the reaction force during the flow of gas from a hole; third lecture in a course on hydraulics] Istechenie gaza iz otverstia v tonkoi stenke. Opredelenie reaktivnoi sily pri istechenii gaza iz otverstia; lektsiia tret'ia po kursu gidravliki. Moskva, Ugletekh-izdat, 1959. 33 p.

(MIRA 13:8)

(Fluid dynamics)

STASENKO, A.L. (Moskva)

Shape of a flexible string in the field of centrifugal forces. Izv. AN
SSSR. Otd. tekhn. nauk. Mekh. i mashinostr. no. 6: 122-124 N-D '62.
(MIRA 15:12)

(Elastic rods and wires)

STASENKO, A. L.; GRODZOVSKIY, G. L.

"On the contour of radiating elements part III; the form of a flexible thread is the centrifugal roce field."

report to be submitted for the 14th Cong, Intl Astronautics Federation, Paris, 25 Sep-1 Oct 63.

STASENKO, A.L. (Moscow)

"Equilibrium forms and small oscillations of a flexible string rotating in a forceless field"

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

GRODZOVSKIY, G. L.; STASENKO, A. L.; FROLOV, V. V.

"On the shape of heat rejection elements cooled by radiants."

report submitted for 15th Intl Astronautical Cong, Warsaw, 7-12 Sep 64.

ACCESSION NR: AP4018441

S/0179/64/000/001/0174/0179

AUTHOR: Stasenko, A. L. (Moscow)

TITLE: Equilibrium forms and small oscillations of a flexible filament rotated in a forceless field

SOURCE: AN SSSR. Izv. Otd. tekhn. nauk. Mekhanika i mashinostroyeniye, no. 1, 1964, 174-179

TOPIC TAGS: radiator, space radiator, filament radiator, ribbon radiator, belt radiator, thermal radiator, space vehicle radiator

ABSTRACT: In an earlier work (See Stasenko, A. L., Forma gibkoy niti v pole tsentrobezhnykh sil, Izv. AN SSSR, OTN, Mekhanika i mashinostroyeniye, 1962, 6) there was a determination of the equilibrium form of a free flexible ribbon rotated in a forceless field and flattened by centrifugal force to the surface of the cylinder being cooled. The present work is dedicated to a study of all the equilibrium forms of a rotating flexible filament (including forms with points of self-intersection), determination of the conditions of its convexity and also a study of the equations of small oscillations of the filament with respect to the equilibrium form. Orig. art. has: 7 figures, 53 formulas.

Card 1/2

ACCESSION NR: AP5007801

S/0281/65/000/001/0143/0148

1
B

AUTHOR: Stasenko, A. L.

TITLE: Limiting characteristics of a belt radiator in the presence of self-irradiation

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 1, 1965, 143-148

TOPIC TAGS: belt radiator, belt self-irradiation, optimum belt radiator

ABSTRACT: Several investigators (see, e.g., L. Shipper, R. C. Siegler, E. B. Zwick, Advanced 1-megawatt space power plant study, AIAA Paper no. 63-270, 1963) have studied belt radiators without investigating the effects self-irradiation may have on the properties of such a radiator. At most, they have claimed that making a Mobius leaf-shaped radiator reduces its self-exposure. In the present paper, by means of numerous diagrams, the author presents the limiting characteristics (mass, characteristic lengths, and temperatures) of moving belt radiators corresponding to two extreme cases: 1) when self-irradiation is neglected, and 2) when a belt of arbitrary finite width is completely "flattened". This supplies the upper and lower boundaries for the behavior of belts of arbitrary shape, and allows the choice of optimum belt parameters. Orig. art. has: 13 formulas and 12 figures.

Card 1/2

ACCESSION NR: AP5007801

ASSOCIATION: None

SUBMITTED: 22Feb64

ENCL: 00

SUB CODE: TD , RP

NO REF SOV: 000

OTHER: 004

Card 2/2

STASENKO, A.L. (Moskva)

Two-dimensional periodic contact. Contact resistance with
allowance for secondary fluxes in the general case. PMTF
no.4:35-41 J1-Ag '64. (MIRA 17:10)

STASENKO, A.L. (Moskva)

Threshold characteristics of a belt radiator with consideration
of self-irradiation. Izv. AN SSSR.Energ. i transp. no.1:143-148
Ja-F '65. (MIRA 18:4)

L 9795-66 EWT(d)/EWT(1)/EWT(m)/FS(v)-3/EEC(k)-2/ETC/EPF(n)-2/EWG(m)/EWA(d)/EWP(v)
ACC NR: AP5026575 SOURCE CODE: UR/0281/65/000/005/0143/0150
T-2/EWP(k)/EWA(h)/ETC(m) TT/WH/EM/GW
AUTHOR: Stasenko, A. L. (Moscow)
44, 55

ORG: none

TITLE: Effect of external radiation on the maximum characteristics of a belt radiator

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 5, 1965, 143-150

TOPIC TAGS: belt radiator, space vehicle

ABSTRACT: Determination of characteristics of ¹²belt radiators intended for ²⁶cooling space vehicles (L. Shipper et al., ALAA paper, 1963, no. 270; H. L. Burge, ARS, 1962, v. 32, no. 8) requires solving a complicated system that contains a nonlinear integrodifferential equation in two variables; the characteristics depend on many parameters. Hence, a simplified particular case

Card 1/2

UDC: 536.3:535.34
2

L 9795-66

ACC NR: AP5026575

3
of a "flattened" belt (ultimate shape of convex belts) obviating many mathematical difficulties is considered. The effects of (a) the uniform external radiation of constant intensity and (b) the blackness coefficients of both surfaces of the belt upon the belt characteristics (length, thickness, mass) are theoretically explored. It is found that the flat tape should be so positioned that the normal external radiation flux be zero or, if this is impossible, that the flux impinge downward. The minimum belt mass corresponds to the maximum blackness coefficient of the belt outer surface and zero coefficient of its inner surface. Orig. art. has: 9 figures and 24 formulas.

SUB CODE: 22 / SUBM DATE: 15Apr65 / ORIG REF: 001 / OTH REF: 004

PC
Card 2/2

AVRAKHUV, P.I., inzh.; DAVIDSON, V.Ye., dotsent; ZHOLOB, V.M., inzh.;
KOVAL'CHUK, V.R., inzh.; STASEV, A.A., inzh.; STASENKO, D.N., inzh.

Crushing of iron ore by normal impact against a metal barrier.
Izv. vys. ucheb. zav.; ser. zhur. 8 no.1:142-145 '65.

(MIRA 18:3)

1. Ineopetrovskiy gosudarstvennyy universitet. Rekomendovana
kafedroy aeromekhaniki i teorii uprugosti.

MEN'SHOV, A.A., kandidat meditsinskikh nauk; STASENKO, A.S.

Treatment of eczema with Dorogov's antiseptic stimulator. Vest.ven.
i derm. 30 no.2:16-17 Mr-Apr '56. (MLRA 9:7)

1. Iz Kiyevskogo instituta gigiyeny truda i profzabolevaniy (dir.-
dotsent L.I.Medved') Kiyevskoy 4-y klinicheskoy bol'nitsy (dir.-
kandidat meditsinskikh nauk A.G.Pap)

(ECZEMA, ther.

antiseptic & biol. stimulant of Dorogov)

(TISSUE THERAPY, in various dis.

eczema, antiseptic & biol. stimulant of Dorogov)

TSAREV, B.P., inzh.; STASENKO, I.K., inzh.; SHALANIN, P.D., inzh.;
SOKOLOV, P.P., inzh.; TITOV, R.P., inzh.; YAKOBSON, R.V.,
kand.tekhn.nauk; TITOV, S.N., kand.tekhn.nauk

Determining consolidated material consumption norms for
locomotive and car repairs. Vest. TSNII MPS 20 no.6:62-64
'61. (MIRA 14:10)

(Railroads--Repair shops)

KABENIN, N.G., kand.tekhn.nauk; STASENKO, I.K., inzh.; SHALANIN, P.D., inzh.

Methods for establishing expenditure norms for wheel pair parts in locomotive repair. Vest. TSNII MPS 22 no.2:35-39 '63.

(MIRA 16:4)

(Locomotives—Maintenance and repair)

SOV/117-58-12-27/36

AUTHORS: Markhula, A.I. and Stasenko, I.S., Engineer

TITLE: A Fitter Innovator (Slesar'-ratsionalizator)

PERIODICAL: Mashinostroitel', 1958, Nr 12, p 36 (USSR)

ABSTRACT: This is a biographical note on Dmitriy Yosifovich Krentovskiy, fitter at the Gomel'skiy zavod sel'skokhozyaystvennykh mashin (Gomel' Plant of Agricultural Machines). There is 1 photo.

Card 1/1

STASENKO, I.V., assistant

~~Investigating stresses in a disk cutter.~~ Izv.vys.ucheb.zav.; mashinostr.
no.7:121-127 '60. (MIRA 13:11)

1. Moskovskoye vyssheye tekhnicheskoye uchilishe imeni Baumana.
(Metal-cutting tools)

S/207/62/000/006/019/025
E081/E135

AUTHOR: Stasenko, I.V. (Moscow)

TITLE: The axially symmetrical problem of the steady creep
of a cylindrical shell

PERIODICAL: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki,
no.6, 1962, 115-117

TEXT: The problem relates to calculation of the creep strength in systems containing reducers and flanged connections; for example, steam pipes. The thin-walled cylindrical shell is assumed to be subjected to internal pressure, and to be clamped at one end. An expression is developed for the stored energy of the shell, and an integral equation is obtained corresponding to a power law relation between stress and plastic strain velocity, taking boundary effects into account. The solution of this equation is given in graphical form, and expressions are derived for the stresses in the cylinder.

There are 3 figures.

SUBMITTED: June 28, 1962

Card 1/1

STASENKO, I. V. (Moskva)

Creep of a cylindrical shell in the end-effect zone. Prikl.
mekh. 8 no.6:665-670 '62. (MIRA 15:10)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. Baumana.

(Elastic plates and shells)
(Creep of materials)

S/096/63/000/002/008/013
E195/E585

AUTHORS: Yakobson, S.S., Zemlyanskaya, L.L. and Stasenko, I.V.

TITLE: On the problem of performance of welded joints in
steam-supply lines of electrical power stations

PERIODICAL: Teploenergetika, no. 2, 1963, 64 - 69

TEXT: Analysis of service failures of welded joints at steam-
power plants shows that low plasticity of the welds, not low
strength, is the cause of the formation of cracks. High plasticity
of the weld can be ensured by using suitable welding electrodes;
this, however, would be bound to produce welds with relatively low
UTS and creep strength, whereas the criterion generally used in
selecting welding electrodes for this application is that their
UTS and creep strength should be at least equal to those of the
base metal. These conflicting requirements pose a problem which
in its general form can be stated as follows: is it permissible
to replace a short length of a steam pipe by material with a
strength lower than that of the remainder of the pipe? Analytical
solution of this problem presents considerable difficulties and, so
far, no general method of calculation, which takes into account all
Card 1/3

S/096/63/000/002/008/013
E193/E385

on the problem of

the service loads acting on a steam pipe, has been developed. Any solution of this problem must take into account the difference in both the mechanical properties at room temperature and the resistance-to-creep of the weld and the base metal. When the creep-rate of the base metal is different from that of the weld, localized bending of the tube wall (the so-called 'edge effect') takes place in the welded zone. This effect can be analytically studied by using a step-by-step method in which the change in strain during a short time interval is determined from the state of stress at the moment immediately preceding the time interval under consideration, the resultant variation in stress being taken as proportional to the strain increment. Using this method, the present authors derived expressions with the aid of which stresses and strains in a tube in creep under a combined action of internal pressure and axial loads can be calculated. Although mathematically accurate, the method is cumbersome and requires the use of calculating machines. A simplified method of quantitative evaluation of stress and strain in a welded seam subject to both internal pressure and axial loads was also developed. Using this method, the authors

Card 2/5

On the problem of

S/096/63/000/002/008/013
E193/E385

showed that if the welding electrode were more plastic (and weaker) than the tube material, the circumferential stresses in the weld under conditions of steady creep were lower than those in the tube and the strain in the weld in creep due to the combined action of internal pressure and axial loads would be lower than that in a simple tensile test. There are 6 figures.

ASSOCIATION: HF Orgenergostroya - MVTU

Card 3/3

STASENKO, I.V., *insh.*

Steady pipe creep in the area of a rigid flange. Vest.
mashinostr. 43 no.6:6-8 Je '63. (MIRA 16:7)

(Pipe—Testing) (Creep of steel)

SVETLITSKIY, V.A., kand. tekhn. nauk, dotsent; STASENKO, I.V., kand.
tekhn. nauk, dotsent

Steady motion of an elastic thread unreeled from a bobbin.
Izv.vys. ucheb. zav.; mashinostr. no.10:61-67 '64
(MIRA 18:1)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni
N.E.Baumana.

SVETLITSKIY, V.A., kand. tekhn. nauk; STASENKO, I.V., kand. tekhn. nauk;
GABRYUK, V.I., inzh.

Steady motion and minor vibrations of an elastic string. Izv.
vys. ucheb. zav.; mashinostr. no.2:57-67 '65. (MIRA 18:5)

MAGUNOV, R.L. [Mahunov, R.L.]; TURKALOV, N.F.; ZAKOLODYAZENAYA, O.V.
[Zakolodiazhna, O.V.]; STASENKO, I.V.

Extraction of germanium from hydrochloric acid solutions by means
of organic solvents. Khim.prom. [Ukr.] no.2:29-30 Ap-Je '65.
(MIRA 18:6)

STASENKO, I.V., kand. tekhn. nauk

Creep of a thin-walled pipe under the action of internal pressure and bending. Izv. vys. ucheb. zav.; mashinostr. no.7:58-61 '65. (MIRA 18:12)

1. Submitted October 31, 1964.

L 07139-57 EMT(k)/EMT(m)/EMT(w)/EMP(v)/EMP(t)/EMI IJP(c) JD/HM/HW
ACC NR: AP6029219 (N) SOURCE CODE: UR/0145/66/000/004/0038/0043

AUTHOR: Stasenko, I. V. (Candidate of technical sciences)

ORG: None

TITLE: Permanent strength of an annular welded joint

SOURCE: IVUZ. Mashinostroyeniye, no. 4, 1966, 38-43

TOPIC TAGS: weld evaluation, creep, metal stress, pipe

ABSTRACT: The author studies the effect of creep on the magnitude of peripheral stresses in an annular welded joint by considering the combined stationary creep of a joint and a thin-walled tube loaded by internal pressure. It is shown that a difference between the creep characteristics of the seam metal and the metal of the tube results in local bending of the tube walls in the weld zone -- the so-called edge effect. The peripheral and axial stresses in this case are considerably dependent on the relationship between the creep characteristics of the seam metal and that of the tube and on the magnitude of the nominal peripheral stresses in the tube or seam. Recommendations are given on the selection of electrodes for welding pipes to be used at high temperatures. The article was presented for publication by Doctor of technical sciences, Professor S. D. Ponomarev, MVTU. Orig. art. has: 2 figures, 1 table, 13 formulas.

SUB CODE: 11/13/ SUBM DATE: 17May65/ ORIG REF: 004/ OTH REF: 001

UDC: 621.791.5

Card 1/1

DRAKO, M.P.; SPASENKO, L.Y.

Materials on the nutrition of fishes in Lake Naroch'. Uch.zap.BGU
no. 26:111-121 '56. (MLHA 10:9)
(Naroch', Lake--Fishes--Food)

STASENKO, N. N.

"The Effect of the Light Regime and the Factors Related to It on the Internal Structure of Hemp Stalks, Their Fiber Content, and the Quality of Hemp on Peat-Marsh Soils." Gand Biol Sci, Belorussian State U imeni V. I. Lenin, Minsk, 1954. (KL, No 8, Feb 55)

SO: Sum. No 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

STASENKO, N.N.

USSR/Cultivated Plants - Technical, Oil, and Sugar Plants.

M-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10891

Author : Godneu, T.N., Stasenko, N.N.

Inst : -

Title : The Growth and Development of Hemp as Affected by the
Light Regime and Factors Connected with It.

Orig Pub : Izv. AN BSSR, ser. biol. n., 1956, No 4, 77-78

Abstract : In field experiments the light regime was varied by locating the plants differently over an area with the same sowing norm (120 kg./hectare). Ordinary sowing was tested, with the space between the rows at 8, 16, and 50 centimeters, and also belt sowings with the belts 16 centimeters wide and 50 centimeters between belts. Photometric measurements have demonstrated that increasing the space between rows intensifies the illumination received by each plant, but the consequent increase in the number of plants alters the conditions of growth. To avoid these secondary

Card 1/2

STASENKO, N.N.

USSR/Plant Physiology - Water Regimen

I.

Abs Jour : Ref Zhur - Biol., No 18, 1958, 82010

Author : Stasenko, N.N., Terentyev, V.M.

Inst : Institute of Biology, AS BSSR

Title : The Influence of the Soil Moisture on the Water Regime
and on the Carbohydrous Exchange of Oat Plants

Orig Pub : Byul. In-ta biol. AN BSSR, vyp. 2, 1956 (1957), 100-106

Abstract : The types of water (according to the A.V. Dumanskiy method
and the content of sugars (according to the Bertrand's
method) were determined in the leaves of oats of the
"Zolotoy dozhd'" (golden rain) variety. They were grown
in vegetation vessels with peaty soil of the lowland ty-
pe with a moisture of 50 to 75% of full capacity.
Greater content of free water and a lesser amount of
bound water were discovered. At the same time smaller

Card 1/2

STASENKO, N.N.

TERENT'YEV, V.M.; STASENKO, N.N.; KONOVALOVA, L.N.

Some specific features of the growth and development of cereal plants
on peat soils. Biol. Inst. biol. AN BSSR no.2:94-99 '57. (MIRA 1:2)
(Grain) (Peat soils)

TERENT'YEV, V.M.; STASENKO, N.N.

Disorders in the carbohydrate metabolism of barley plants caused by early lodging on peat soils [with summary in English]. Fiziol. rast. 5 no.3:259-263 Mr-Je '58. (MIRA 11:6)

1. Institut biologii AN BSSR, Minsk.
(Barley)
(Carbohydrate metabolism)
(Peat soils)

TRENT'YEV, V.M.; STASENKO, N.N.; PETROVICH, Zh.I.

Duration of regeneration and transformation dynamics of hemi-
celluloses in the barley stem. Biul. Inst. boil. AN BSSR
no.5:149-156 '60. (MIRA 14:7)
(HEMICELLULOSE) (BARLEY)

TERENT'YEV, V.M.; STASENKO, N.N.; PETROVICH, Zh.I.

Duration of the assimilation of $C^{14}O_2$ and of the utilization
of assimilates by aerial parts of barley in ontogenesis.
Biul. Inst. biol. AN BSSR no.6:135-~~141~~'61. (MIRA 15:3)
(PLANTS—ASSIMILATION)

STASENKO, R., kand.sel'skokhoz.nauk

Redesigning pig sties for brood sows. Sil'. bud. 12 no.11:8-10
N '62. (MIRA 15:12)

(Swine houses and equipment)

STASENKO, R. F., Candidate Agric Sci (diss) -- "Differentiated feeding of pigs
as a method of increasing their rate of maturation". Kiev, 1959. 18 pp
(Min Agric Ukr SSR, Ukr Acad Agric Sci) (KL, No 24, 1959, 146)

KVACHEV, G.S., kand.tekhn.nauk; MEL'NIKHENKO, G.I.; STASENKO, R.F.

A new drive for 10 kv. oil-filled switches. Energ.i elektrotekh.
prom. no.4:45-48 O-D '62. (MIRA 16:2)

1. Ukrnigiprosel'elektro.
(Electric switchgear) (Electric power distribution)

MAINTENANCE G.L., 1964: SPB-CHKO, R.F., 1964.

PTM-2 drives for oil-filled switches. Energ. i elektrotekh. prom.
no.4:38 O-D '64. (MIRA 18:3)

STASENKO, Srdan

Production of PVC in the world is developing at an undiminished
pace. Kem ind 12 no.3:178-180 Mr '63.

KNEREL', G.M.; STASENKO, V.F.

Saving electric energy in the Leningrad urban electric
transportation system. Prom.energ. 16 no.9:1-5 S '61.
(MIRA 14:8)

(Leningrad---Transit systems)

STASENKO, YE. F.

578

Novoye v oplate truda chabanov. 12 opyba raboty kolkhoza im. Malenkova,
Levokym. rayona. Stavrodol', kn. izd., 1954. 24s. so skhem. 20sm.
3.000 ekz. 30k. - [54-55191] p 636.3.084.22(47.911)+331.20: 636.3
[47.911]

SO: Knizhnaya Letopis, Vol. 1, 1955

SARKIZOV-SERAZINI, Ivan Mikhaylovich, prof.; STASENKOV, V.K., prof.;
SEYKIN, M.I., dotsent [deceased]; VASIL'YEVA, V.Ye., dotsent;
BERZIN, A.A., red.; SHEKTOROVA, Ye.I., tekhn.red.

[Exercise therapy] Lechebnaia fizicheskaia kul'tura. Izd.2.,
ispr. i dop. Moskva, Gos.izd-vo "Fizkul'tura i sport," 1960.
389 p. (MIRA 13:10)

(EXERCISE THERAPY)

STASENKOV, V. V., Candidate Geolog-Mineralog Sci (diss) -- "A study of the oil yield of the deposits of Krasnodar Kray on the basis of analysis of geological-industrial materials". Moscow, 1959. 16 pp (Gosplan USSR, Main Admin of Sci Res and Design Organizations, All-Union Petroleum and Gas Sci Res Inst VNII), 150 copies (KL, No 25, 1959, 129)

STASENKOV, V.V.

Determination of the recovery factor of thin layers based on field data as exemplified by the Shirokaya Balka area in Krasnodar Territory. Trudy VNII no.20:106-116 '59. (MIRA 12:10)

(Krasnodar Territory--Petroleum geology)

TROFIMUK, A.A.; LISUNOV, V.R.; STASENKOV, V.V.

Field calculations of oil recovery. Trudy VNII no.24:103-128
'59. (MIRA 13:5)

(Petroleum geology)

STASENKOV, V.V.

Determination of the oil recovery based on oil field data. Trudy
VNII no.23:84-92 '60. (MIRA 13:11)
(Petroleum geology)

STASENKOV, V.V.; SIRYK, I.M.; RAZUMOV, N.V.

Oil and gas potentials of the western edge of the central Sakhalin synclitorium. Geol.i geofiz. no.12:7-13 '61. (MIRA 15:5)

1. Sakhalinskiy kompleksnyy nauchno-issledovatel'skiy institut,
g. Novo-Aleksandrovsk.

(Sakhalin--Petroleum geology)

(Sakhalin--Gas, Natural--Geology)

STASENKOV, V.V.

Conditions of the formation of oil and gas pools of the Sabo
field. Geol. i geofiz. no.8:121-128 '62. (MIRA 15:10)

1. Sakhalinskiy kompleksnyy nauchno-issledovatel'skiy institut
Sibirskogo otdeleniya AN SSSR, p. Novo-Aleksandrovka.
(Sabo region—Petroleum geology) (Sabo region—Gas, Natural—Geology)